

Appl. No. 09/753,226
Amdt. Dated 06/24/2004
Reply to Office Action of March 24, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Original) A method comprising:
2 transmitting a cast frame for a destination device; and
3 receiving a data frame from the destination device in response to the destination
4 device receiving the cast frame for acknowledgment of receipt of the cast frame.
- 1 2. (Original) The method of claim 1, wherein the cast frame is a multicast
2 frame assembled in accordance with Institute of Electrical and Electronics Engineers
3 (IEEE) 802.11.
- 1 3. (Original) The method of claim 1, wherein the cast frame is a broadcast
2 frame assembled in accordance with Institute of Electrical and Electronics Engineers
3 (IEEE) 802.11.
- 1 4. (Original) The method of claim 1, wherein the cast frame comprises a
2 first address field including a first medium access control (MAC) address assigned to a
3 group of wireless units and a second address field including a second MAC address
4 associated with a device transmitting the cast frame.
- 1 5. (Currently Amended) A The method of claim 1, wherein comprising:
2 transmitting a cast frame for a destination device;
3 ~~prior to receiving the data frame, the method further comprises:~~
4 placing the a first second MAC address of the a second address field of the cast
5 frame into a first address field of the a data frame; and
6 receiving the data frame from the destination device in response to the
7 destination device receiving the cast frame for acknowledgement of receipt of the
8 cast frame.
- 1 6. (Original) The method of claim 1, wherein the destination device is a
2 wireless unit.

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1 7. (Original) The method of claim 1, wherein the cast frame comprises a
 2 first address field including a plurality of bits set to a predetermined value and a second
 3 address field including a MAC address associated with a device transmitting the cast
 4 frame.

1 8. (Original) A method comprising:
 2 determining that a cast frame is scheduled for transmission;
 3 translating the cast frame into a plurality of unicast frames;
 4 transmitting each of the plurality of unicast frames to a corresponding plurality
 5 of destination devices; and
 6 receiving an acknowledge frame from each of the plurality of destination
 7 devices in response to receiving one of the plurality of unicast frames.

1 9. (Original) The method of claim 8, wherein the cast frame is a multicast
 2 frame assembled in accordance with Institute of Electrical and Electronics Engineers
 3 (IEEE) 802.11.

1 10. (Original) The method of claim 8, wherein the cast frame is a broadcast
 2 frame assembled in accordance with Institute of Electrical and Electronics Engineers
 3 (IEEE) 802.11.

1 11. (Cancelled).

1 12. (Currently Amended) The method of claim 14~~1~~, wherein prior to
 2 receiving the data frame, the method further comprises:
 3 scanning ~~to a~~ channel carrying the Eavesdrop Unicast frame by a plurality of
 4 devices including the destination device;
 5 receiving of the Eavesdrop Unicast frame by the destination device.

1 13. (Cancelled).

1 14. (Currently Amended) ~~A The method of claim 13, wherein after~~
 2 ~~receiving the Eavesdrop Unicast frame, the method further comprises comprising:~~
 3 transmitting an Eavesdrop Unicast frame to a destination device, the Eavesdrop
 4 Unicast frame includes at least four address fields, a first address field including a

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5 destination address of the destination device and a fourth address field including a
6 medium access control (MAC) address assigned to a plurality of devices including
7 the destination device; and
8 receiving a data frame from the destination device in response to the destination
9 device receiving the Eavesdrop Unicast frame for acknowledgement of receipt of
10 the cast frame, the overwriting contents within a first address field of the data frame
11 having been overwritten with contents from the fourth address field of the
12 Eavesdrop Unicast frame.

1 15. (Currently Amended) The method of claim 14, wherein the destination
2 device is a wireless unit.

1 16. (Original) The method of claim 12, wherein the Eavesdrop Unicast
2 frame includes at least four address fields, a first address field including a destination
3 address of the destination device and a fourth address field including a plurality of bits
4 set to a predetermined value.

1 17. (Currently Amended) A wireless network system comprising:
2 a plurality of wireless units;
3 a fixed backbone network; and
4 an access point in communication with both the fixed backbone network and the
5 plurality of wireless units, the access point to (i) transmit a cast frame for one of the
6 plurality of wireless units, the cast frame comprises a first address field including a
7 first medium access control (MAC) address assigned to a group of wireless units
8 and a second address field including a second MAC address associated with a
9 device transmitting the cast frame, and to (ii) receive a data frame from the one of
10 the plurality of wireless units in response to the one of the plurality of wireless units
11 receiving the cast frame for acknowledgement of receipt of the cast frame, an
12 address field of the data frame including the second MAC address from the second
13 address field of the cast frame.

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1 18. (Original) The wireless network system of claim 17, wherein the cast
2 frame is a multicast frame assembled in accordance with Institute of Electrical and
3 Electronics Engineers (IEEE) 802.11.

1 19. (Original) The wireless network system of claim 17, wherein the cast
2 frame is a broadcast frame assembled in accordance with Institute of Electrical and
3 Electronics Engineers (IEEE) 802.11.

1 20. (Currently Amended) A software module placed in a stored medium
2 and executed by an electronic device, the software module comprising:
3 a first module to transmit a cast frame for a destination device, the cast frame
4 comprises a first address field including a first medium access control (MAC)
5 address assigned to a group of wireless units and a second address field including a
6 second MAC address associated with a device transmitting the cast frame; and
7 a second module to detect receipt of a data frame from the destination device to
8 acknowledge receipt of the cast frame, an address field of the data frame including
9 the second MAC address from the second address field of the cast frame.

1 21. (New) The method of claim 5, wherein the cast frame comprises a first
2 address field including a first medium access control (MAC) address assigned to a
3 group of wireless units and a second address field including a second MAC address
4 associated with a device transmitting the cast frame.